

SEQUENCE LISTING

<110> University of Rochester
Miller, Benjamin L.
Strohsahl, Christopher M.

<120> METHOD OF IDENTIFYING HAIRPIN DNA PROBES BY PARTIAL FOLD ANALYSIS

<130> 176/61751

<140>

<141>

<150> 60/533, 894

<151> 2004-01-02

<160> 14

<170> PatentIn Ver. 2.1

<210> 1

<211> 960

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Partial gene sequence of *Bacillus anthracis* pag gene

<400> 1

atcttcgaac tcaagaaaaa agcgaagtac aagtgctgga cctacggttc cagaccgtga 60
aagaacttt ctttccccat ggatttctaa tattcatgaa aagaaaggat taaccaaata 120
taaatcatct cctgaaaaat ggagcacggc ttctgatccg tacagtgatt tcgaaaaggt 180
tacaggacgg attgataaga atgtatcacc agaggcaaga caccggcttg tggcagctta 240
tccgatttta catgtagata tggagaatat tattctctca aaaaatgagg atcaatccac 300
acagaatact gatagtcaaa cgagaacaat aagtaaaaat acttctacaa gtaggacaca 360
tactagtgaa gtacatggaa atgcagaagt gcatgcgtcg ttctttgata ttggtggag 420
tgtatctgca ggattttagta attcgaattc aagtacggtc gcaattgatc attcactatac 480
tcttagcaggg gaaagaactt gggctgaaac aatggggtta aataccgctg atacagcaag 540
attaaatgcc aatatttagat atgtaaatac tggacggct ccaatctaca acgtgttacc 600
aacgacttcg ttagtgttag gaaaaaaatca aacactcgcg acaattaag ctaaggaaaa 660
ccaatthaagt caaatacttg cacctaataa ttattatcct tctaaaaact tggcccaat 720
cgcattaaat gcacaagacg atttcagttc tactccaatt acaatgaatt acaatcaatt 780
tcttgagttt gaaaaaaacga aacaattaag attagatacg gatcaagtat atggaaat 840
agcaacatac aattttgaaa atggaagagt gaggggtggat acaggctcga actggagtga 900
agtgttaccq caaattcaaq aaacaactqc acgtatcatt ttaatqaaa aagatttaaa 960

<210> 2
<211> 39
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Hairpin probe
BaPag668-706 specific for *Bacillus anthracis* pag
gene

<400> 2
tttcttcac catggatttc taatattcat gaaaagaaaa 39

<210> 3
<211> 34
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Hairpin probe
BaPag1208-1241 specific for *Bacillus anthracis* pag
gene

<400> 3
tcgttagtgt tagaaaaaaa tcaaacactc gcga 34

<210> 4
<211> 350
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Partial
sequence of *Staphylococcus aureus* genome

<400> 4
gaaatgaatg ttacggaaca aacgatgcaa caaaatcatg ctaatttaga ataaaataaa 60
gatagtcat aatatgatgc ctaggcagaa atattatcga ttatttttt taaattatag 120
tataatatca ataataaacg aatagggtg ttaatattga ttatattttt gattttgatg 180
gtacgttggc agacacgaaa aaatgtgtg acaaagtgc tttaaagcat gtggcttaac 240
ggaaccatca tctaaagaaa tatgggaata cctattgaag aatcattttt aaaatttagca 300
gaccgaccat agcatttagca aagttaatcg atacatttag acatacatat 350

<210> 5

<211> 33
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Hairpin probe
AH2 specific for *Staphylococcus aureus* genome

<400> 5
cgataatatg atgccttaggc agaaaatatta tcg

33

<210> 6
<211> 37
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Hairpin probe
BH2 specific for *Staphylococcus aureus* genome

<400> 6
tatcaataat aaacgaatag gggtgttaat attgata

37

<210> 7
<211> 39
<212> DNA
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<223> Description of Artificial Sequence: Complement of
SEQ ID NO: 2

<400> 7
aaagaaaatg gtacctaaag attataagta cttttcttt

39

<210> 8
<211> 34
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Complement of
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<400> 8

agcaatcaca atcctttttt agtttgtag cgct

34

<210> 9
<211> 33
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Complement of
SEQ ID NO: 5

<400> 9
gctattatac tacggatccg tctttataat agc

33

<210> 10
<211> 37
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Complement of
SEQ ID NO: 6

<400> 10
atagttatta tttgcttatac cccacaattha taactat

37

<210> 11
<211> 49
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Hairpin probe
with modified stem

<400> 11
cgacgttct ttcaccatgg atttctaata ttcatgaaaa gaaacgtcg

49

<210> 12
<211> 39
<212> DNA
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Hairpin probe
with modified stem

<400> 12

cgacgttcac catggatttc taatattcat gaaacgtcg

39

<210> 13

<211> 44

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Hairpin probe
with modified stem

<400> 13

cgacgtcggtt agtgttagga aaaaatcaaa cactcgcgac gtcg

44

<210> 14

<211> 34

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Hairpin probe
with modified stem

<400> 14

cgacgactgt tagaaaaaaa tcaaacactc gtcg

34